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 Matthias Grossglauser, Srinivasan Keshav, David N. C. Tse  
 December 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume  
**Publisher:** IEEE Press

Full text available: [Pdf](#) (617.74 KB)

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**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 37, Download

**Keywords:** compressed video, multiple time scales, renegotiation, vari

**2** [Packet prediction for speculative cut-through switching](#)  
 Paul Congdon, Matthew Farrens, Prasant Mohapatra  
 November 2008 **ANCS '08: Proceedings of the 4th ACM/IEEE Symposium on**  
**Communications Systems**

**Publisher:** ACM [Request Permissions](#)

Full text available: [Pdf](#) (154.03 KB)

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The amount of intelligent packet processing in an Ethernet switch contr embedded applications such as network security, load balancing and qu packet processing is contributing ...

**Keywords:** cut-through, ethernet switching, packet prediction, specula

**3** [Content sharing middleware for mobile devices](#)  
 Petros Belimpasakis, Juha-Pekka Luoma, Mihaly Börzsei  
 February 2008 **MOBILWARE '08: Proceedings of the 1st international conf**  
**Operating Systems, and Applications**

**Publisher:** ICST (Institute for Computer Sciences, Social-Informatics and Telecomm

Full text available: [Pdf](#) (706.62 KB)

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As mobile smart phones have evolved being converged devices, they ar different types of high quality content, such as images, music and videoc synchronize and archive their content, lead to the ...

**Keywords:** Symbian, content, middleware, mobile devices, sharing

- 4 [Zigzag decoding: combating hidden terminals in wireless networks](#)  
Shyamnath Gollakota, Dina Katabi  
August 2008 **SIGCOMM '08: Proceedings of the ACM SIGCOMM 2008 conference**

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**Bibliometrics:** Downloads (6 Weeks): 31, Downloads (12 Months): 331, Downloads

This paper presents ZigZag, an 802.11 receiver design that combats hidden terminal contribution is a new form of interference cancellation that exploits asynchronous Specifically, 802.11 retransmissions, in ...


**Keywords:** hidden terminals, interference cancellation, wireless

Also published in:

October 2008 **SIGCOMM Computer Communication Review** Volume 38 Issue

- 5 [BlueStar: enabling efficient integration between bluetooth WPANs and](#)  
Carlos De M. Cordeiro, Sachin Abhyankar, Rishi Toshiwal, Dharma P. Agrawal  
August 2004 **Mobile Networks and Applications**, Volume 9 Issue 4

**Publisher:** Kluwer Academic Publishers

Full text available:  Pdf (672.02 KB)


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Bluetooth is a radio technology for Wireless Personal Area Networking (WPAN) frequency band. So far, there has been little research on how Bluetooth efficiently have uninterrupted access ...

**Keywords:** IEEE 802.11, analytical modeling, architecture, bluetooth, gateway, interference, protocol stack, simulation

- 6 [Constructing collaborative desktop storage caches for large scientific](#)  
Sudharshan S. Vazhkudai, Xiaosong Ma, Vincent W. Freeh, Jonathan W. Stear, Simon, Stephen L. Scott  
August 2006 **Transactions on Storage (TOS)**, Volume 2 Issue 3

**Publisher:** ACM  [Request Permissions](#)

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**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 122, Downloads

High-end computing is suffering a *data deluge* from experiments, simulations, and overwhelming application dataset sizes. This has led to the proliferation of storage area clusters, and data ...

**Keywords:** Distributed storage, parallel I/O, scientific data management, cache, storage networking, storage resource management, storage scalability

- 7 [Improving the reliability of commodity operating systems](#)

-  Michael M. Swift, Brian N. Bershad, Henry M. Levy  
February 2005 **Transactions on Computer Systems (TOCS)** , Volume 23 Iss  
**Publisher:** ACM  [Request Permissions](#)  
Full text available:  Pdf (459.98 KB) Additional Information: [full citation](#), [abstract](#)  
**Bibliometrics:** Downloads (6 Weeks): 62, Downloads (12 Months): 349, Downl


Despite decades of research in extensible operating system technology, remain a significant cause of system failures. In Windows XP, for exam recently reported failures. This article ...

**Keywords:** I/O, Recovery, device drivers, protection, virtual memory



- 8 On the stability of the information carried by traffic flow features at th  
 Alice Este, Francesco Gringoli, Luca Salgarelli  
June 2009 **SI GCOMM Computer Communication Review** , Volume 39 Iss  
**Publisher:** ACM  
Full text available:  Pdf (554.51 KB) Additional Information: [full citation](#), [abstract](#)  
**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 116, Downl

This paper presents a statistical analysis of the amount of information tl at the packet-level carry, with respect to the protocol that generated th information of the majority of ...

**Keywords:** traffic classification, transport layer

- 9 Advocating a remote socket architecture for internet access using wi  
M. Schläger, B. Rathke, A. Wolisz, S. Bodenstein  
January 2001 **Mobile Networks and Applications** , Volume 6 Issue 1  
**Publisher:** Kluwer Academic Publishers  
Full text available:  Pdf (490.10 KB) Additional Information: [full citation](#), [reference](#)  
**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 32, Downloa

**Keywords:** TCP, internet access, measurement, performance, socket-ir

- 10 Can you infect me now?: malware propagation in mobile phone netw  
 Chris Fleizach, Michael Uijenstam, Per Johansson, Geoffrey M. Voelker, An  
November 2007 **WORM '07: Proceedings of the 2007 ACM workshop on Re**  
**Publisher:** ACM  
Full text available:  Pdf (946.28 KB) Additional Information: [full citation](#), [abstract](#)  
**Bibliometrics:** Downloads (6 Weeks): 27, Downloads (12 Months): 226, Downl

In this paper we evaluate the effects of malware propagating usingcom networks. Although self-propagating malware is well understood in the very different characteristics in terms ...

**Keywords:** cellular phone networks, defenses, epidemiology, measurer


-  **miNI: reducing network interface memory requirements with dynamic**  
 Reza Azimi, Angelos Bilas  
 June 2003 **ICS '03: Proceedings of the 17th annual international conference on supercomputing**  
**Publisher:** ACM  [Request Permissions](#)  
 Full text available:  [Pdf](#) (289.75 KB) [Additional Information: full citation, abstract](#)  
**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 21, Downloads

Recent work in low-latency, high-bandwidth communication systems has used Network Interface Controllers (NICs) and communication abstractions to offload applications virtual memory to avoid ...




**Keywords:** parallel architectures, system area networks

- 12** **Data base system performance prediction using an analytical model**  
 Kenneth C. Sevcik  
 September 1981 **VLDB '1981: Proceedings of the seventh international conference on Very Large Data Bases - Volume 7**, Volume 7  
**Publisher:** VLDB Endowment  
[Additional Information: full citation, abstract, references, index terms](#)  
**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads

Much progress has been made recently in developing strategies for data processing at physical levels. Various approaches, some built into automated design tools, are being used to be "good" (or even "optimal" in some ...

- 13** **Executing multiple pipelined data analysis operations in the grid**  
 Matthew Spencer, Renato Ferreira, Michael Beynon, Tahsin Kurc, Umüt Çatir  
 November 2002 **Supercomputing '02: Proceedings of the 2002 ACM/IEEE conference on Supercomputing**  
**Publisher:** IEEE Computer Society Press  
 Full text available:  [Pdf](#) (158.51 KB) [Additional Information: full citation, abstract](#)  
**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 18, Downloads


Processing of data in many data analysis applications can be represented by a set of data sources to the client. This paper is concerned with scheduling each of which is represented ...

- 14** **An empirical study of bandwidth predictability in mobile computing**  
 Jun Yao, Salil S. Kannekar, Mahbub Hassan  
 September 2008 **WINTECH '08: Proceedings of the third ACM international conference on Wireless and Mobile Computing, Networking and Communications**  
**Publisher:** ACM  [Request Permissions](#)  
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**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 90, Downloads

While bandwidth predictability has been well studied in static environments, the context of mobile computing. To gain a deeper understanding of this problem, we conducted an eight-month ...


**Keywords:** bandwidth predictability, entropy, information theory, mea

15 [Write off-loading: Practical power management for enterprise storage](#)

 Dushyanth Narayanan, Austin Donnelly, Antony Rowstron

November 2008 **Transactions on Storage (TOS)**, Volume 4 Issue 3

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (788.45 KB)


[Additional Information: full citation, abstra](#)

**Bibliometrics:** Downloads (6 Weeks): 17, Downloads (12 Months): 115, Downl

In enterprise data centers power usage is a problem impacting server d  
Storage uses a significant fraction of the power budget and there are no  
for enterprise storage systems. ...


**Keywords:** DiskEnergy, disk spin-down, energy, enterprise storage, po

16 [Improving the reliability of commodity operating systems](#)

 Michael M. Swift, Brian N. Bershad, Henry M. Levy

December 2003 **SOSP '03: Proceedings of the nineteenth ACM symposium**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (262.78 KB)

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Despite decades of research in extensible operating system technology,  
remain a significant cause of system failures. In Windows XP, for exampl  
reported failures. This paper describes ...

**Keywords:** I/O, device drivers, protection, recovery, virtual memory

Also published in:


December 2003 **SIGOPS Operating Systems Review** Volume 37 Issue 5

17 [On performance bounds for the integration of elastic and adaptive st](#)

 Thomas Bonald, Alexandre Proutière

June 2004 **SIGMETRICS '04: Performance '04: Proceedings of the joir  
Measurement and modeling of computer systems**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (218.92 KB)

[Additional Information: full citation, abstra](#)




**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 56, Downloa

We consider a network model where bandwidth is fairly shared by a dyn  
streaming flows. Elastic flows correspond to data transfers while adaptiv  
audio/video applications with variable rate ...

**Keywords:** adaptive streaming traffic, elastic traffic, flow-level analysis  
network

Also published in:




June 2004 **SIGMETRICS Performance Evaluation Review** Volume 32 Issue 1

- 18 [A characterization of the sensitivity of query optimization to storage &...](#)  
 Frederick R. Reiss, Tapas Kanungo  
June 2003 **SIGMOD '03: Proceedings of the 2003 ACM SIGMOD international conference on Management of data**  
**Publisher:** ACM  [Request Permissions](#)  
Full text available:  Pdf (255.35 KB) [Additional Information: full citation, abstract, keywords, etc.](#)  
**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 49, Downloads (All Time): 112

Most relational query optimizers make use of information about the cost structures on various storage devices. This information can at times be to human error in configuration setup, ...

**Keywords:** autonomic computing, computational geometry, databases, systems

- 19 [ACM SIGEVOlution: Volume 1 Issue 3](#)  
 September 2006 SIGEVOlution  
**Publisher:** ACM  
[Additional Information: full citation, index terms](#)  
**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (All Time): n/a

- 20 [High-bandwidth data dissemination for large-scale distributed system](#)  
 Dejan Kostić, Alex C. Snoeren, Amin Vahdat, Ryan Braud, Charles Killian, J Adolfo Rodriguez, Erik Vandekeleff  
February 2008 **Transactions on Computer Systems (TOCS)**, Volume 26 Is  
**Publisher:** ACM  [Request Permissions](#)  
Full text available:  Pdf (1.23 MB) [Additional Information: full citation, abstract, keywords, etc.](#)  
**Bibliometrics:** Downloads (6 Weeks): 30, Downloads (12 Months): 219, Downloads (All Time): 349

This article focuses on the multireceiver data dissemination problem. In efficiently supporting such distribution. More recently, overlay networks multipoint communication. Both ...

**Keywords:** Bandwidth, overlays, peer-to-peer

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